(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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10 September 2002 (10.09.2002) E

(71) Applicant (for all designated States except US): NESTEC S.A. [CH/CH]; Av. Nestlé 55, CH-1800 Vevey (CH).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): ANANTHARA-MAN, Helen, Gillian [GB/CN]: Shanghai Racquets Club, 555 Jin Feng Road, Minhang District, Shanghai 201107 (CN). BRIMELOW, Christopher, John, Burton [GB/CN]; Apt PHB, 3 Racquet Club Drive, 555 Jin Feng Road, Minhang District, Shanghai 201107 (CN). CLYDE, Gene, Frank [US/CN]; Shanghai Racquet Club & Apartments, 1 Racquet Club Dr. Apt. GB, 555, Jin Feng Lu Hua, Cao Town, Minhang District, Shanghai 201107 (CN). DAWANCE, Jean-Pierre [BE/CN]; 503 Yujing Rivere Garden Villa, East Side of Baixinzhuang Village, Houshayu, Shunyi County, Beijing 101300 (CN). LAUPIE, Marc [FR/FR]: 10, rue des Mésanges, F-88150 Thaon les Vosges (FR). NAROTSKI, Tjin, Dewi [US/CN]; Bldg. 6 Apt. 2D Grand Slam Circle, 555 Jin Feng Road, Zhu Di Town, Minhang District, Shanghai 201107 (CN). SCHUPPISSER, Werner [CH/CH]; Kaiserstuhlstrasse 17, CH-8172 Niederglatt (CH), WU, Weijlan [DE/CN]; Jing An Plaza, App. 2228, No.8 Chang Shu Road, Shanghai 200040 (CN).
- (74) Agent: BESSIERE, Philippe; Nestec S.A., Avenue Nestlé 55, CH-1800 Vevey (CH).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CII, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, IIR, IIU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GII, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IIU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GII, GM, IIR, IIU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, MI, MR, NE, SN, TD, TG)
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- of inventorship (Rule 4.17(iv)) for US only

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 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: WATER BEVERAGE CONTAINING FIBRES

(57) Abstract: The present invention relates to a water-based beverage containing soluble fibres. The water composition is substantially demineralized and has a neutral or acidic pH. The soluble fibres contained in the present water composition are selected from a group comprising oligosaccharides with a chain length of from about 2 to 20 units and digestion-resistant malto-oligosaccharides with a Molecular Weight of about 2000. The present water composition may be store without adverse effect such as hydrolysis of oligosaccharides nor precipitation of the soluble fibres contained in it.

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- of inventorship (Rule 4.17(iv)) for US only

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(54) Title: WATER BEVERAGE CONTAINING FIBRES

(57) Abstract: The present invention relates to a water-based beverage containing soluble fibres. The water composition are selected from tially demineralized and has a neutral or acidic pH. The soluble libres contained in the present water composition are selected from about 2 to 20 units and digestion-resistant malto-oligosaccharides. with a Molecular Weight of about 2000. The present water composition may be store without adverse effect such as hydrolysis of oligosaccharides nor precipitation of the soluble fibres contained in it.



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Inte pplication No PCI/EP 03/09999

A. CLASSIFICATION OF SUBJECT MATTER
1PC 7 A23L1/308 A23L1/09 A23L1/304 A23L2/38 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 A23L Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, FSTA, MEDLINE, BIOSIS C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. . Χ US 6 248 390 B1 (STILLMAN SUZANNE JAFFE) 1-3 19 June 2001 (2001-06-19) cited in the application column 4, line 40 - column 5, line 25 column 6, line 7 - line 31 column 7, line 17 - line 33 example 2 γ claims 6,9,13 4,5 BERRY D.: "Hiding Healthful Ingredients" γ 4.5 FOOD PRODUCT DESIGN, [Online]
May 2002 (2002-05), XP002230318
3400 Dundee Rd. Suite #100, IL, US Retrieved from the Internet: URL:http://www.balchem.com/news/articles/A pplicationsFPD0502.pdf> [retrieved on 2003-02-05] page 6 - page 7 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is clied to establish the publication date of another citation or other special reason (as specified) document of particular relevance; the claimed invention cannot be considered to involve an invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or "P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 0 2 07 2004 2 February 2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Popa, M Fax: (+31-70) 340-3016

Form PCT/ISA/210 (second sheet) (January 2004)

Intern: Application No PCT/EP 03/09999

Category *	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages	Polyment a claim N
Jaiegory	on the relevant passages	Relevant to claim No.
Χ ·	US 5 660 872 A (BOOTEN KARL ET AL) 26 August 1997 (1997-08-26) column 5, line 10 - line 18 column 6, line 51 - column 7, line 5 examples 1,2; tables 1,2	1-3
Х	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 09, 13 October 2000 (2000-10-13) & JP 2000 157233 A (NARITA TOMOTAKA), 13 June 2000 (2000-06-13) abstract	1,2,4
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A	DE 201 06 845 U (RATS APOTHEKE DR WOLFGANG ALBR) 8 November 2001 (2001-11-08) page 2, line 17 - line 27; claims	1-3
A	EP 0 951 844 A (BERNER HANS GUENTER) 27 October 1999 (1999-10-27) page 2; claims	1-3
A .	NINESS K.R.: "Inulin and Oligofructose: What are They?" THE JOURNAL OF NUTRITION, [Online] vol. 129, no. 7 Suppl., July 1999 (1999-07), pages 1402S-1406S, XP002230319 American Society for Nutritional Sciences, US ISSN: 0022-3166 Retrieved from the Internet: URL:http://www.nutrition.org/contents-by-d ate.0.shtml> [retrieved on 2003-02-04] the whole document	1-5

Interr----- Application No
PC:/Lr 03/09999

	Ition) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No. **
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onal application No. r'CT/EP 03/09999

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.:     because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this international Search Report covers all
searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  1-5
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (1)) (July 1998)

International Application No. PCT/ EP 03/09999

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-5

Neutral water composition comprising demineralised water and soluble fibers that contain oligosacharides with a chain length of 2-20 units

2. claims: 6-8

Acidic water composition comprising water and soluble fibers that comprise maltooligosaccharides with a MW of about  $2000\,$ 



nation on patent family members

Intern Application No
PCI/EP 03/09999

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Intern Application No
PC1/EV 03/09999

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